

For Research Use Only

# VCAM-1/CD106 Recombinant monoclonal antibody

Catalog Number:86797-1-RR



## Basic Information

<b>Catalog Number:</b> 86797-1-RR	<b>GenBank Accession Number:</b> NM_012889.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 25361	<b>CloneNo.:</b> 251266C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29534	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> vascular cell adhesion molecule 1	
<b>Immunogen Catalog Number:</b> EG3821	<b>Calculated MW:</b> 81 kDa	
	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, mouse brain tissue, rat spleen tissue, mouse spleen tissue
<b>Species Specificity:</b> mouse, rat	

## Background Information

Vascular cell adhesion molecule 1 (VCAM1), also known as CD106, is a 110-kDa transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium, interacts with integrin VLA4 ( $\alpha4\beta1$ ) present on the surface of leukocytes, and mediates both adhesion and signal transduction. It is also expressed either constitutively or inducibly in a variety of other cell types, including vascular smooth muscle cells, differentiating skeletal muscle cells, renal and neural epithelial cells, macrophages (Kupffer cells), dendritic cells, and bone marrow stromal cells (PMID: 7507076, 11359843).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

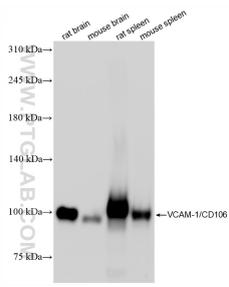
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86797-1-RR (Vcam1/CD106 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.